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**PATENT**  
**Case SU-7273**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**JAMES L. McNAUGHTON**

**SERIAL NO.: 10/603,132**

**FILED: JUNE 24, 2003**

**MICROBIOCIDAL CONTROL IN THE  
PROCESSING OF POULTRY**

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Enclosed herewith for consideration by the Examiner is a Third Supplemental Information Disclosure Form PTO/SB/08A. There are 303 documents listed, but only 90 are enclosed.

Respectfully Submitted,

John F. Sieberth  
Reg. No. 17,704  
Attorney of Record

Telephone: (225) 291-4600  
Facsimile: (225) 291-4606

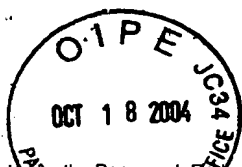
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT****Third Supplemental**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/603,132
Filing Date	June 24, 2003
First Named Inventor	James L. McNaughton
Art Unit	---
Examiner Name	---
Attorney Docket Number	SU-7273

Sheet 1 of 15

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	US-17	US-2130805	09-20-1938	Levine	
	US-18	US-2392505	01-08-1946	Rogers	
	US-19	US-2398598	04-16-1946	Rogers	
	US-20	US-2779764	01-29-1956	Paterson	
	US-21	US-2795556	06-11-1957	Quinn	
	US-22	US-2868787	01-13-1959	Paterson	
	US-23	US-2920997	01-12-1960	Wolf et al.	
	US-24	US-2971959	02-14-1961	Waugh et al.	
	US-25	US-2971960	02-14-1961	Waugh et al.	
	US-26	US-3121715	02-18-1964	Waugh et al.	
	US-27	US-3147219	09-01-1964	Paterson	
	US-28	US-3147259	09-01-1964	Paterson	
	US-29	US-3152073	10-06-1964	Morton	
	US-30	US-3170883	02-23-1965	Owen et al.	
	US-31	US-3308062	03-07-1967	Gunther	
	US-32	US-3328294	06-27-1967	R.W. Self et al.	
	US-33	US-3345371	10-03-1967	Paterson	
	US-34	US-3412021	11-19-1968	Paterson	
	US-35	US-3558503	01-26-1971	Goodenough et al.	
	US-36	US-3589859	06-29-1971	Foroulis	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	FP-5	CA- 1230825	12-29-1987	Bristol-Myers Co.		
	FP-6	CA- 2042430	11-30-1991	Eltech Systems Corp.		
	FP-7	CA- 2163596	09-04-1996	S.C. Johnson & Son, Inc.		
	FP-8	EP- 0106563	04-25-1984	Rohm and Haas		
	FP-9	EP- 0177645 A1	04-16-1986	Girard et al.		
	FP-10	EP- 0206725	12-30-1986	Jeyes Group Limited		
	FP-11	EP- 0228593	07-15-1987	Chesebrough-Pond's Inc.		
	FP-12	EP- 0550137 A2	07-07-1993	Greenley et al.		
	FP-13	EP- 0581826	02-09-1994	Jeyes Limited		
	FP-14	EP- 0584955 A2	03-02-1994	Leech et al.		

Examiner Signature	Date Considered
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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Third Supplemental (Use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/603,132	
			Filing Date	June 24, 2003	
			First Named Inventor	James L. McNaughton	
			Art Unit	---	
			Examiner Name	---	
Sheet	2	of	15	Attorney Docket Number	SU-7273

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		Number-Kind Code <sup>2</sup> (if known)			
	US-37	US-3626972	12-14-1971	Lorenzen	
	US-38	US-3711246	01-16-1973	Foroulis	
	US-39	US-3749672	07-31-1973	Golton et al.	
	US-40	US-3767586	10-23-1973	Rutkiewicz	
	US-41	US-4032460	06-28-1977	Zilch et al.	
	US-42	US-4078099	03-07-1978	Mazzola	
	US-43	US-4119535	10-10-1978	White et al.	
	US-44	US-4126717	11-21-1978	Mazzola	
	US-45	US-4136052	01-23-1979	Mazzola	
	US-46	US-4199001	04-22-1980	Kratz	
	US-47	US-4237090	12-02-1980	DeMonbrun et al.	
	US-48	US-4242216	12-30-1980	Daugherty et al.	
	US-49	US-4270565	06-02-1981	King, Sr.	
	US-50	US-4293425	10-06-1981	Price	
	US-51	US-4295932	10-20-1981	Pocius	
	US-52	US-4327151	04-27-1982	Mazzola	
	US-53	US-4331174	05-25-1982	King, Sr.	
	US-54	US-4382799	05-10-1983	Davis et al.	
	US-55	US-4388811	06-21-1983	Zebarth	
	US-56	US-4427435	01-24-1984	Lorenz et al.	

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		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	FP-15	EP- 0827695 A2	03-11-1998	The Boc Group, Inc.		
	FP-16	GB- 1054243	01-04-1967	Wallace Cameron & Co.		
	FP-17	GB- 1600289	10-14-1981	Wilson et al.		
	FP-18	GB- 2267487 A	12-08-1993	Mason		
	FP-19	GB- 2273106	06-08-1994	Jeyes Group PLC		
	FP-20	JP- 56158333	12-07-1981	Teijin Ltd.		X
	FP-21	JP- 7299468	11-14-1995	Hakuto Co., Ltd		X
	FP-22	WO- 8802987	05-05-1988	Great Lakes Chemical Corp.		
	FP-23	WO- 8910696 A1	11-16-1989	Puzig		
	FP-24	WO- 9015780 A1	12-27-1990	Rakestraw et al.		

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			Filing Date	June 24, 2003	
			First Named Inventor	James L. McNaughton	
			Art Unit	---	
			Examiner Name	---	
Sheet	3	of	15	Attorney Docket Number	SU-7273

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		Number-Kind Code <sup>2</sup> (if known)			
	US-57	US-4427692	01-24-1984	Girard	
	US-58	US-4451376	05-29-1984	Sharp	
	US-59	US-4465598	08-14-1984	Darlington et al.	
	US-60	US-4465839	08-14-1984	Schulte et al.	
	US-61	US-4476930	10-16-1984	Wantanabe	
	US-62	US-4490308	12-25-1984	Fong et al.	
	US-63	US-4532330	07-30-1985	Cole	
	US-64	US-4534963	08-13-1985	Gordon	
	US-65	US-4537697	08-27-1985	Girard	
	US-66	US-4539071	09-03-1985	Clifford et al.	
	US-67	US-4546156	10-08-1985	Fong et al.	
	US-68	US-4560766	12-24-1985	Girard et al.	
	US-69	US-4566973	01-28-1986	Masler, III et al.	
	US-70	US-4571333	02-18-1986	Hsiao et al.	
	US-71	US-4595517	06-17-1986	Abadi	
	US-72	US-4595691	06-17-1986	LaMarre et al.	
	US-73	US-4597941	07-01-1986	Bottom et al.	
	US-74	US-4604431	08-05-1986	Fong et al.	
	US-75	US-4621096	11-04-1986	Cole	
	US-76	US-4642194	02-10-1987	Johnson	

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	FP-25	WO- 9630491 A1	10-03-1996	Jeyes Group PLC		
	FP-26	WO- 9628173 A1	09-19-1996	Mullerat et al.		
	FP-27	WO- 9715652 A1	05-01-1997	Clorox Co.		
	FP-28	WO- 9720546 A1	06-12-1997	Petri et al.		
	FP-29	WO- 9720909 A1	6-12-1997	Petri et al.		
	FP-30	WO- 9734827 A1	09-25-1997	Dalmier et al.		
	FP-31	WO- 9743264	11-20-1997	Great Lakes Chemical		
	FP-32	WO- 9743392	11-20-1997	Henry et al.		
	FP-33	WO- 9804143	02-05-1998	Strickland et al.		
	FP-34	WO- 9815609	04-16-1998	Sirianni		

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	US-77	US-4643835	02-17-1987	Koeplin-Gall et al.	
	US-78	US-4654424	03-31-1987	Girard et al.	
	US-79	US-4659359	04-21-1987	Lorenz et al.	
	US-80	US-4661503	04-28-1987	Martin et al.	
	US-81	US-4662387	05-05-1987	King, sr.	
	US-82	US-4677130	06-30-1987	pUZIG	
	US-83	US-4680339	07-14-1987	Fong	
	US-84	US-4680399	07-14-1987	Buchardt	
	US-85	US-4681948	07-21-1987	Worley	
	US-86	US-4692335	09-08-1987	Iwanski	
	US-87	US-4698165	10-06-1987	Theyson	
	US-88	US-4703092	10-27-1987	Fong	
	US-89	US-4711724	12-08-1987	Johnson	
	US-90	US-4713079	12-15-1987	Chun et al.	
	US-91	US-4728453	03-01-1988	Choy	
	US-92	US-4745189	05-17-1988	Lee et al.	
	US-93	US-4752443	06-21-1988	Hoots et al.	
	US-94	US-4759852	07-26-1988	Trulear	
	US-95	US-4762894	08-09-1988	Fong et al.	
	US-96	US-4767542	08-30-1988	Worley	

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	FP-35	WO- 9906320 A1	02-11-1999	Dallmire et al.		
	FP-36	WO- 9932596 A1	07-01-1999	Rees et al.		
	FP-37	WO- 9955627 A1	11-04-1999	Yang et al.		
	FP-38	WO- 0034186 A1	06-15-2000	Rakestraw		
	FP-39	WO- 0152827 A1	07-26-2001	McKenzie et al.		
	FP-40	WO- 0153209 A2	07-26-2001	Albemarle Corp.		
	FP-41	WO- 03001931 A1	01-09-2003	Albemarle Corp.		

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				Filing Date	June 24, 2003
				First Named Inventor	James L. McNaughton
				Art Unit	---
				Examiner Name	---
Sheet	12	of	15	Attorney Docket Number	SU-7273

NON PATENT LITERATURE DOCUMENTS				
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	L-35	CABA Copyright 2002 CABI Abstract of Bukh, K., "Use of Chlorine in Experiments on Controlling Swine Dysentery", Dansk Veterinaertidsskrift, (1988), vol 71, no. 24, pp. 1278-1286.		
	L-36	CAPLUS Abstract of Heir, et al., "The Staphylococcus qacH gene product: a new member of the SMR family encoding multidrug resistance", FEMS Microbiol. Lett. (1998), 163(1), ppg 49-56. Accession No. 1998:343309 CAPLUS		
	L-37	CAPLUS Abstract of Sanderson et al., "Case Reports: epidemic eye and upper respiratory irritation in poultry processing plants", Appl. Occup Environ. Hyg, 1995, 10(1), 43-9. Accession No. 1995:439186 CAPLUS		
	L-38	Frosti Abstract of Bocharov D.A., "Disinfection of Poultry Processing Plant Objects", Proceedings of the 22 <sup>nd</sup> European meeting of Meat Research Workers, Malmo, August- September, I (C6), 4 pp., 1976. Accession No. 78674 Frosti		
	L-39	Frosti Abstract of Lemaitre et al., "Plasmid-mediated resistance to antimicrobial agents among listeriae", Journal of Food Protection, 1998, November, 61 (11), ppg 1459-1464. Accession No. 483547 Frosti		
	L-40	Frosti Abstract of Marriot, N.G., "Meat and poultry sanitation", Essentials of Food Sanitation, published by Chapman & Hall, London, 1997, 188-210. Accession No. 441637 Frosti		
	L-41	Frosti Abstract of Mullerat et al., "Efficacy of Salmide, a sodium chlorite-based oxy-halogen disinfectant, to inactivate bacterial pathogens and extend shelf-life of broiler carcasses", Journal of Food Protection, 1994, 57(7), 596-603. Accession No. 353342 Frosti		
	L-42	Frosti Abstract of Sheldon, B.W., "New and novel chemical and biological approaches for inhibiting pathogens and spoilage microorganisms associated with muscle food systems", Turkeys, 1996, 44(2),		
	L-43	Frosti Abstract of Smith, G., "Poultry industry looks to chlorine dioxide for pathogen control", Meat Processing, 1996, 35(10), 47. Accession No. 429057 Frosti		
	L-44	Frosti Abstract of Sundheim, G., et al., "Resistance of meat associated staphylococci to a quaternary ammonium compound", Food Microbiology, 1992, 9(2), 161-7. Accession No. 291734 Frosti		
	L-45	Frosti Abstract of "Foodborne Pathogen Control", Poultry International, 1994, (July), 62, author unknown. Accession No. 359896 Frosti		
	L-46	HCAPLUS Abstract of JP 07171576 A2 issued 1995.		
	L-47	HCAPLUS Abstract of JP 07277912 A2 issued 1995.		
	L-48	HCAPLUS Abstract of JP 08027119 A2 issued 1996.		

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				Application Number	10/603,132
				Filing Date	June 24, 2003
				First Named Inventor	James L. McNaughton
				Art Unit	---
				Examiner Name	---
Sheet	13	of	15	Attorney Docket Number	SU-7273

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	L-49	HCAPLUS Abstract of JP 08239699 A2 issued 1996.	
	L-50	HCAPLUS Abstract of JP 09087684 A2 issued 1997.	
	L-51	HCAPLUS Abstract of JP 09227317 A2 issued 1997.	
	L-52	Al Zahrani, S.M., "Utilization of Polyethylene and Paraffin Waxes as Controlled Delivery Systems for Different Fertilizers", Ind. Eng. Chem. Res., 2000, vol 39, pp 369-371.	
	L-53	Ault et al., "Infrared and Raman Spectra of the M+Cl <sub>3</sub> ion Pairs and Their Chlorine-bromine Counterparts isolated in Argon Matrices", Journal of Chemical Physics, 1976, Vol. 64, No. 12,	
	L-54	Author unknown, "Big Brother Brominator - Brominators", Bulky Systems Website, < <a href="http://www.bulkysystemsinc.com/brominator.html">http://www.bulkysystemsinc.com/brominator.html</a> > , (Visited August 10, 2001). 1 page.	
	L-55	Author unknown, "Bio Lab Brominator", Conely Company Website, < <a href="http://www.conelyco.com/Pool-Spa/parts/biobrom.htm">http://www.conelyco.com/Pool-Spa/parts/biobrom.htm</a> > (Visited August 10, 2001), 2 pages.	
	L-56	Carpentier et al., "Biofilms and their consequences, with particular reference to hygiene in the food industry", Journal of Applied Bacteriology, 1993, Vol. 75, ppg 499-511.	
	L-57	Chowhan et al., "Hardness Increase Induced by Partial Moisture Loss in Compressed Tablets and Its Effect on In Vitro Dissolution", J. Pharm. Sciences, October 1978, Vol. 67, No. 10, ppg. 1385-1389.	
	L-58	Corral et al., "Substitution in the Hydantoin Ring. III. Halogenation", J. Org. Chem., 1963, Vol. 28, ppg. 1100-1104.	
	L-59	Discount Pool & Spa Supplies, Automatic Chlorinators and Chemical Feeders Website, < <a href="http://www.discountpoolsupplies.com/Chemfeeders/">http://www.discountpoolsupplies.com/Chemfeeders/</a> > Visited August 10, 2001, 3 pages.	
	L-60	Gottardi: Reaction of Cl Br - In Aqueous solution (76 Zeutralks. Bakteriell., Parasiteukd. ) In Fektionskr. Hyg., Abt. 1; Orig., Geihe B 162 (3-4), ppg 384-388.	
	L-61	Hayward America's #1 Pool Water Systems Product Catalog, "Automatic Chemical Feeders" "Chlorinators (Slow Dissolve Tri-Chlor Only) and Brominators, Hayward Pool Products Inc. Website, < <a href="http://www.haywardnet.com/products/catalog/displayProdInfo.cfm?itemID=61">http://www.haywardnet.com/products/catalog/displayProdInfo.cfm?itemID=61</a> > , 2 pages.	

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	L-62	Hayward America's #1 Pool Water Systems Product Catalog, "Automatic Chemical Feeders" "Chlorinators (Slow Dissolve Tri-Chlor Only) and Brominators, Buyers Guide, Hayward Pool Products Inc., Website,		
	L-63	Hayward Pool Products Owner's Guide, Installation and Operating Instructions, "Hayward Chemical Feeder", Models C250CF, C500CF, C1100CF, C1800CF, C2400CF, - 1998 - 4 pages		
	L-64	Howarth, J.N., et al. "A New, Bromine-Releasing Solid for Microbiological Control of Cooling Water", IWC-01-05, (Pittsburgh, PA: Engineers' Society of Western Pennsylvania, 2001), ppg 1-7.		
	L-65	Jolles, "General Methods of Bromination", Bromine and its Compounds, 1966, Ernest Benn, London, ppg. 365.		
	L-66	Krycer et al., "An Evaluation of Tablet Binding Agents Part II. Pressure Binders", Powder Technology, 1983, Vol. 34, ppg. 53-56.		
	L-67	Mantilla-Sandholm et al., "Biofilm Formation in the Industry: A Review", Food Reviews International, 8(4), 1992, ppg 573-603.		
	L-68	March, "Advanced Organic Chem.", 1992, 4 <sup>th</sup> Edition, ppg. 639-640.		
	L-69	Markish et al., "New Aspects on the Preparation of 1,3-Dibromo-5,5-Dimethylhydantoin", Ind. Eng. Chem. Res. 1995, Vol. 34, ppg. 2125-2127.		
	L-70	Mora et al., "Properties of a New Chloramine Disinfectant and Detoxicant", Poultry Science, 1982, vol 61, ppg 1968-1971.		
	L-71	C.J. Nalepa, "New Bromine-Releasing Granules for Microbiological Control of Cooling Water," paper 03716 (Corrosion 2003 Houston, TX: NACE International, 2003), ppg 03716/1-03716/15.		
	L-72	Orazi et al., "Halogenacion con 3-Bromo-5,5-Dimetil-Hidantoina", Anales Assoc. Quim. Argentina, 1949, Vol. 37, ppg. 192-196. (Not translated)		
	L-73	Orazi et al., "Halogenacion Con 1-3-Dibromo-5,5-Dimetil-Hidantoina", Anales Assoc. Quim. Argentina, 1950, Vol. 38, ppg. 5-11. (Not translated)		
	L-74	Pentair Pool Products Brochure, "Rainbow High Capacity Chlorine/Bromine Feeders", "Unsurpassed Performance From The Industry's Leader in Automatic Sanitizing of Large Residential and Commercial Pools",		
	L-75	Pentair Pool Products Brochure, "Rainbow Model 300 Automatic Chlorine/Bromine Off-line Feeders", "The Efficient, Easy Way to Sanitize Your Pool or Spa", date unknown, 1 page.		

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	L-74	Pentair Pool Products Brochure, "Rainbow Model 320 Automatic Chlorine/Bromine In-line Feeder", "Saves Time, Reduces Manual Handling of Chemicals", date unknown, 7 pages.		
	L-76	Petterson, "N-Halogen Compounds. I. Decomposition of 1,3-Dichloro-5,5-dimethylhydantoin in Water at pH 9", J. Org. Chem., 1959, Vol. 24, ppg. 1414-1419.		
	L-77	Sani-King Spa Feeder Product Brochure Model 740 from King Technology Website, < <a href="http://www.kingtechnology.com/spafeeder.htm">http://www.kingtechnology.com/spafeeder.htm</a> > Visited (August 10, 2001), 2000, 4 pages.		
	L-78	Sani-King Perform-Max Pool Sanitizer Instruction Guide, Models 910, 940, & 980 (Inline) and Models 930 & 960 (Off-line), date unknown, 16 pages.		
	L-79	Sani-King Adjust-A-Flo Product Brochure from King Technology Website < <a href="http://www.kingtechnology.com/spafeeder.htm">http://www.kingtechnology.com/spafeeder.htm</a> > (Visited August 10, 2001), 2000, 1 page.		
	L-80	Sani-King Perform-Max Sanitizers for Inground Pools Product Brochure for Model 940 & 960 from King Technology Website, < <a href="http://www.kingtechnology.com/perfermaxIG.htm">http://www.kingtechnology.com/perfermaxIG.htm</a> > , visited August 10, 2001, 2000, 1 pg.		
	L-81	Sani-King Perform-Max Sanitizers for Above Ground Pools Product Brochure Model 910 & 930 from King Technology Website, < <a href="http://www.kingtechnology.com/perfermaxIG.htm">http://www.kingtechnology.com/perfermaxIG.htm</a> > , visited August 10, 2001, 2000, 1 pg.		
	L-82	Smith et al., "Potential Uses of Combined Halogen Disinfectants in Poultry Processing", Poultry Science, 1990, vol. 69, ppg 1590-1594.		
	L-83	Sorum -- Fundamentals of General Chemistry, p. 315, 1955.		
	L-84	Willard et al., "Elementary Quantitative Analysis", Third Edition, Chapter XIV, 1933, ppg. 261-271.		
	L-85	Williams, et al., "Research Note: Combined Halogen Disinfectants in Poultry Processing", Poultry Science, 1990, vol 69, ppg 2248-2251.		
	L-86	Worley, et al., "The Stabilities of New N-halamine Water Disinfectants", Wat. Res. Vol. 21(8), ppg 983-988, 1987.		

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